



ELSEVIER

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

SCIENCE @ DIRECT®

Earth-Science Reviews 70 (2005) 315

[www.elsevier.com/locate/earscirev](http://www.elsevier.com/locate/earscirev)

## Contents Volume 70, 2005

### *Research Papers*

Archaean atmospheric evolution: evidence from the Witwatersrand gold fields, South Africa

H.E. Frimmel ..... 1

The role of stratotypes in stratigraphy: Part 2. The debate between Kleinpell and Hedberg, and a proposal for the codification of biochronologic units

S.L. Walsh ..... 47

The role of stratotypes in stratigraphy: Part 3. The Wood Committee, the Berkeley school of North American mammalian stratigraphic paleontology, and the status of provincial golden spikes

S.L. Walsh ..... 75

Stress variability and brittle tectonic structures

R. Caputo ..... 103

Fold geometry: a basis for their kinematical analysis

F. Bastida, J. Aller, N.C. Bobillo-Ares and N.C. Toimil ..... 129

### *Book Review*

The great Ordovician biodiversification event

P. Smith ..... 165

### *Research Papers*

Ancient sand-rich submarine fans: depositional systems, models, identification, and analysis

F. Mattern ..... 167

Magnitude and frequency in proglacial rivers: a geomorphological and sedimentological perspective

P.M. Marren ..... 203

The last British Ice Sheet: A review of the evidence utilised in the compilation of the Glacial Map of Britain

D.J.A. Evans, C.D. Clark and W.A. Mitchell ..... 253

### *Book Review*

Review of "Science, Philosophy and Physical Geography"

M.G. Kleinhans ..... 313